

Summer Math Reinforcement Packet Students entering 7th Grade

Dear Parents/Guardians,

Our sixth graders had a busy year learning new math skills. Mastery of all these skills is extremely important in order to continue developing a solid math foundation. The seventh grade curriculum will add on to these sixth grade skills, so any time spent learning or reinforcing these concepts will be very beneficial for your child. Any areas your child has difficulty, you may want to give them additional practice. Student mastery of the basic math skills is as important to success in future mathematical procedures and reasoning as learning the alphabet is to reading and writing.

Have your child complete a little each week and then return the completed packet to your seventh grade teacher. The class that returns the most will win a special prize.

The summer packet is not a requirement; however, it is strongly encouraged. I will also post a copy in their google classroom as well as on my district web page.

Students will still have access to practice their math skills in MAP to Khan, MobyMax, and Xtra Math.

Tutorial videos can be found on the links below as well as some on my district web page.

www.virtualnerd.com

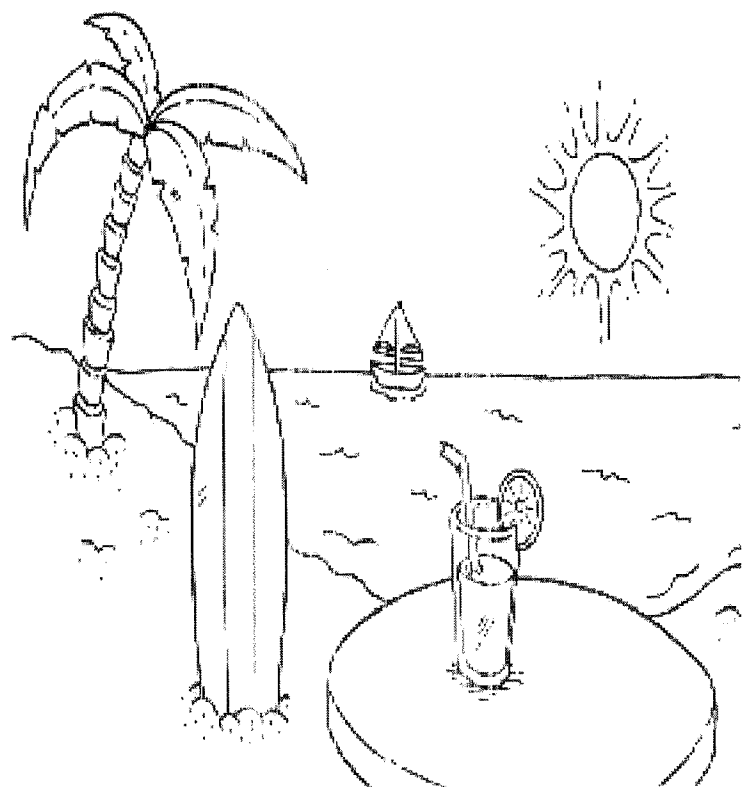
www.learnzillion.com

www.mathbyfives.com

If at any time you have any questions for me, I will be able this summer via email: khubbell@sta.whsd1.org . *Please note that I do not check my email every day but will respond as soon as I see your email.*

See you in the fall!

~Mrs. Hubbell



Name : _____

Score : _____

Teacher : _____

Date : _____

Order of Operations

1) $10 \times 12 \times (5 + 6)$

6) $(9 + 27 - 6) \div 6$

2) $7 \times 9 \times (9 - 7)$

7) $(21 + 2) \times 8 - 2$

3) $(16 - 3) + 15 \div 5$

8) $(12 + 16) \div (4 - 2)$

4) $(16 - 2) + 14 \div 2$

9) $(11 + 25 - 4) \div 2$

5) $(14 + 14) \div (-3 + 7)$

10) $(11 + 3) \times 8 + 5$



Name : _____

Score : _____

Common Multiples

List out the first two common multiples for each pair of numbers.

1) 8, 6

Multiples of 8 : _____

Multiples of 6 : _____

Common multiples : _____ and _____

2) 9, 3

Multiples of 9 : _____

Multiples of 3 : _____

Common multiples : _____ and _____

3) 10, 8

Multiples of 10 : _____

Multiples of 8 : _____

Common multiples : _____ and _____

4) 6, 2

Multiples of 6 : _____

Multiples of 2 : _____

Common multiples : _____ and _____

5) 4, 12

Multiples of 4 : _____

Multiples of 12 : _____

Common multiples : _____ and _____

Greatest Common Factor

Find the greatest common factor for each pair of numbers.

1) 98, 28

Factors of 98 = _____

Factors of 28 = _____

GCF(98, 28) = _____

2) 12, 42

Factors of 12 = _____

Factors of 42 = _____

GCF(12, 42) = _____

3) 72, 60

Factors of 72 = _____

Factors of 60 = _____

GCF(72, 60) = _____

4) 55, 99

Factors of 55 = _____

Factors of 99 = _____

GCF(55, 99) = _____

5) 76, 32

Factors of 76 = _____

Factors of 32 = _____

GCF(76, 32) = _____

Equivalent Ratio

Sheet 3

A) Write any two equivalent ratios for each ratio.

1) 11 : 3

2) 2 : 5

3) 8 : 7

4) 13 : 10

5) 6 : 5

6) 7 : 9

7) 4 : 7

8) 18 : 11

B) Complete the equivalent ratio table.

1)

4	12		20
13		52	

2)

7	28	42	
6			54

3)

16			96
15	45	75	

4)

11		33	
12	24		60

Adding/Subtracting Integers

Find each sum.

1) $(-12) + 7$

2) $(-10) + (-7)$

3) $(-6) + 12$

4) $8 + 7$

5) $3 + 4$

6) $(-45) + 9$

7) $(-1) + (-46)$

8) $(-30) + 10$

9) $(-34) + 50$

10) $38 + (-5)$

Find each difference.

11) $2 - (-2)$

12) $(-1) - 10$

13) $8 - 7$

14) $(-8) - (-6)$

15) $11 - 4$

16) $48 - (-31)$

17) $18 - 41$

18) $(-38) - 30$

19) $(-1) - (-3)$

20) $(-1) - (-40)$

Evaluate each expression.

21) $(-10) - 47$

22) $(-29) - 29$

23) $13 + (-29)$

24) $38 + 22$

25) $(-32) - 44$

26) $(-12) + (-11)$

27) $2 + 15 + 4$

28) $16 + (-13) + 5$

29) $2 - (-9) - 8$

30) $10 + 3 - (-8)$

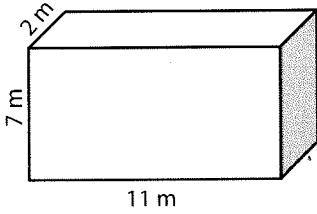
Name : _____

Score : _____

Surface Area - Rectangular Prism

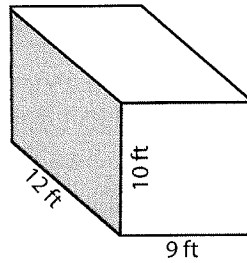
Find the surface area of each rectangular prism.

1)



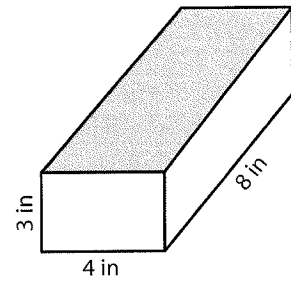
Surface Area = _____

2)



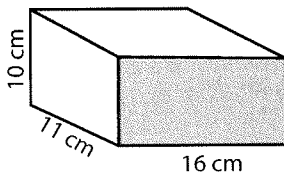
Surface Area = _____

3)



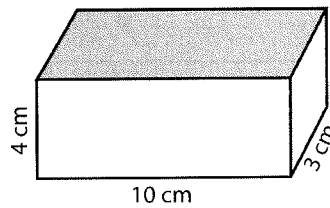
Surface Area = _____

4)



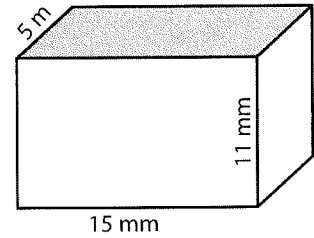
Surface Area = _____

5)



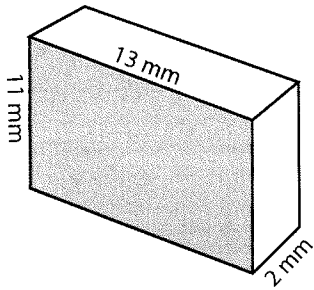
Surface Area = _____

6)



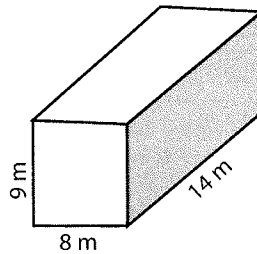
Surface Area = _____

7)



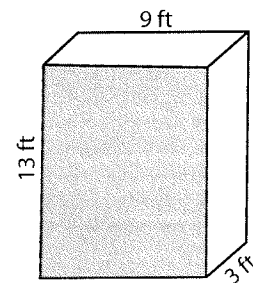
Surface Area = _____

8)



Surface Area = _____

9)



Surface Area = _____

10) Lisa uses a sheet of paper to make a rectangular box with a dimension of 12 centimeters x 8 centimeters x 18 centimeters. Find the area of the paper.

Surface Area = _____

Dividing Decimals

Divide:

1. $.085 \div 17 =$ _____

3. $.132 \div 12 =$ _____

5. $.308 \div .35 =$ _____

7. $44.64 \div 2.88 =$ _____

9. $.06 \div .001 =$ _____

11. $204 \div .075 =$ _____

13. $204 \div .085 =$ _____

15. $22.5 \div 1800 =$ _____

17. $30.03 \div .003 =$ _____

19. $70.62 \div 160.5 =$ _____

21. $.08181 \div 9.09 =$ _____

23. $1728 \div .96 =$ _____

25. $63.36 \div .32 =$ _____

27. $.2331 \div 37 =$ _____

29. $.2546 \div .67 =$ _____

31. $.069 \div 138 =$ _____

33. $816 \div .034 =$ _____

35. $3.92 \div .056 =$ _____

37. $14.124 \div 32.1 =$ _____

39. $13.31 \div .011 =$ _____

2. $.0096 \div 8 =$ _____

4. $7.15 \div 6.5 =$ _____

6. $551.2 \div 2.08 =$ _____

8. $633.6 \div 6.4 =$ _____

10. $15.129 \div 12.3 =$ _____

12. $262.5 \div 5.25 =$ _____

14. $261.6 \div .02 =$ _____

16. $671 \div .305 =$ _____

18. $1943.5 \div .25 =$ _____

20. $.1728 \div 48 =$ _____

22. $525.6 \div .36 =$ _____

24. $78.3 \div .29 =$ _____

26. $1.3601 \div 29 =$ _____

28. $.8892 \div 247 =$ _____

30. $173.28 \div 3.04 =$ _____

32. $186.02 \div 100 =$ _____

34. $30.08 \div .16 =$ _____

36. $43.008 \div 4.096 =$ _____

38. $56.088 \div 123 =$ _____

40. $.0576 \div 18 =$ _____

Multiplying Decimals

Find each product.

1) -5.5×-4.87

2) 1.7×-2.1

3) 0.2×-1.6

4) 1.7×-3.1

5) -4.6×-7.2

6) -5.928×-11.6

7) -1.5×-7.1

8) 7.8×5.1

9) $-7.5 \times 9 \times -8.3$

10) $-4.04 \times -9 \times 3$

11) $3.2 \times 8.7 \times -1.1$

12) $8.1 \times 8.6 \times -5.2$

Adding/Subtracting Decimals

Find each sum.

1) $5.4 + (-9.7)$

2) $10.8 + (-4.73)$

3) $(-0.5) + 0.3$

4) $(-4.79) + (-0.4)$

5) $3.305 + 1.7$

6) $(-3.6) + 0.43$

7) $(-4.3) + 14.5$

8) $(-7.1) + 3.63$

9) $13.7 + 3.2$

10) $(-10.9) + 6.1$

Find each difference.

11) $2.2 - 7.3$

12) $(-8.1) - (-8.9)$

13) $2.9 - 9.4$

14) $(-3.9) - 8.9$

$15) 9.8 - 7.1$

$16) (-18.278) - (-6.8)$

$17) 17.9 - (-19.4)$

$18) 15.5 - 15.5$

$19) 1.58 - (-13.6)$

$20) 1.81 - 17.17$

Evaluate each expression.

$21) 19.4 + 24.2$

$22) (-14.8) - (-9.7)$

$23) (-9.1) + 3.5$

$24) 0.96 - 8.5$

$25) 9.5 - (-19.3)$

$26) 3.4 - (-12.1)$

$27) 8.7 + 3.8 + 12.3$

$28) (-13.6) + 12 - (-15.5)$

$29) 3.4 - 5 - 10.4$

$30) (-5.6) - (-12.6) + (-6.6)$